Roll No. | | | | | | | | | | | | | Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy (Pharmaceutical Analysis) (2017 & Onwards) (Sem.–1)

ADVANCED PHARMACEUTICAL ANALYSIS

Subject Code : MPA-102T

M.Code : 74694

Time : 3 Hrs. Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. Explain in brief :

a. Residual impurities 3

b. Application of immunoassay 3

c. Production of antibodies 3

d. Container orientation in stability testing 3

e. Residual solvents 3

2. Give a detailed account on principle, classification, limits and analytical procedure for reporting of residual impurities. 15

3. a. Discuss in detail the classification and control of elemental impurities in Pharmaceutical products. 10

b. Give methods of C, H, N and S analysis with principle. 5

4. a. Describe the ICH stability guidelines for biological products. Short note on Stability zones. 5,5

b. Briefly describe the separation techniques in Immunoassays. 5

5. Write in detail about :

a. The regulatory requirements for HPTLC finger printing in stability testing of Phytopharmaceuticals. 10

b. Biological tests and assay of Oxytocin 5

6. Write short note on :

a. PCR and its application. 10

b. Principle involved, procedure and application of Radioimmunoassay 5

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.